

FIG. 1

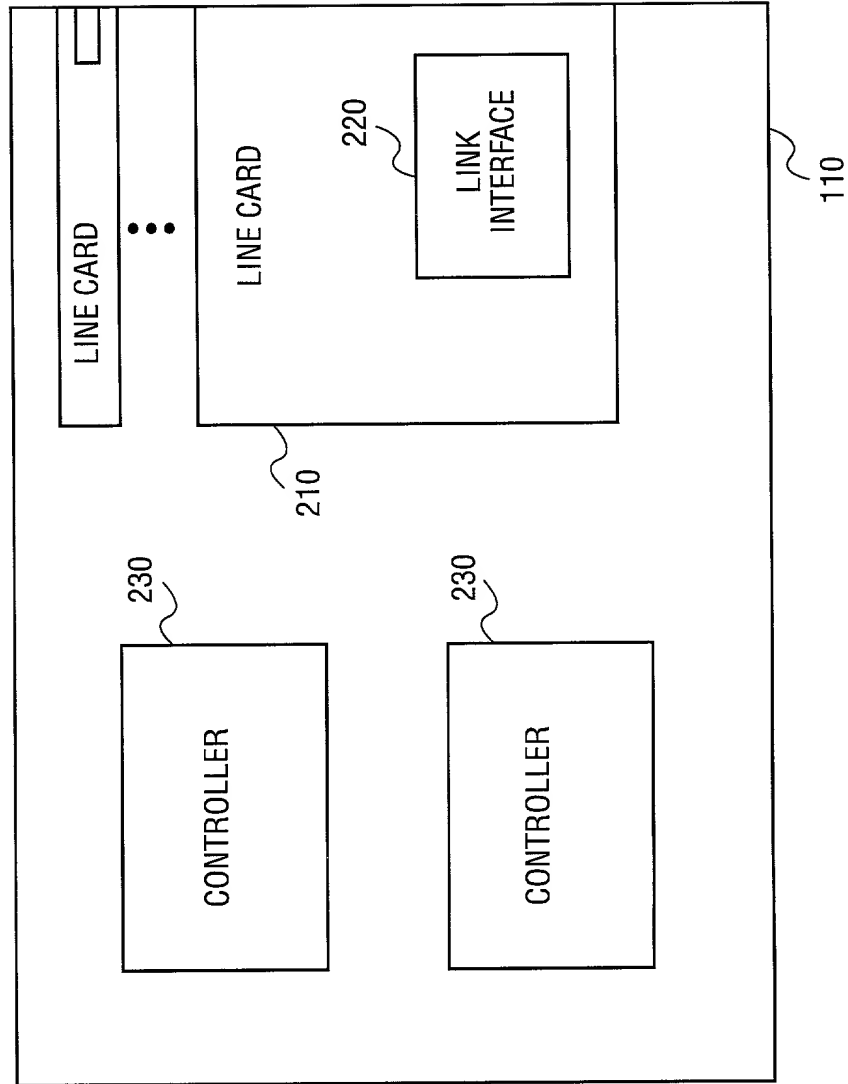


FIG. 2

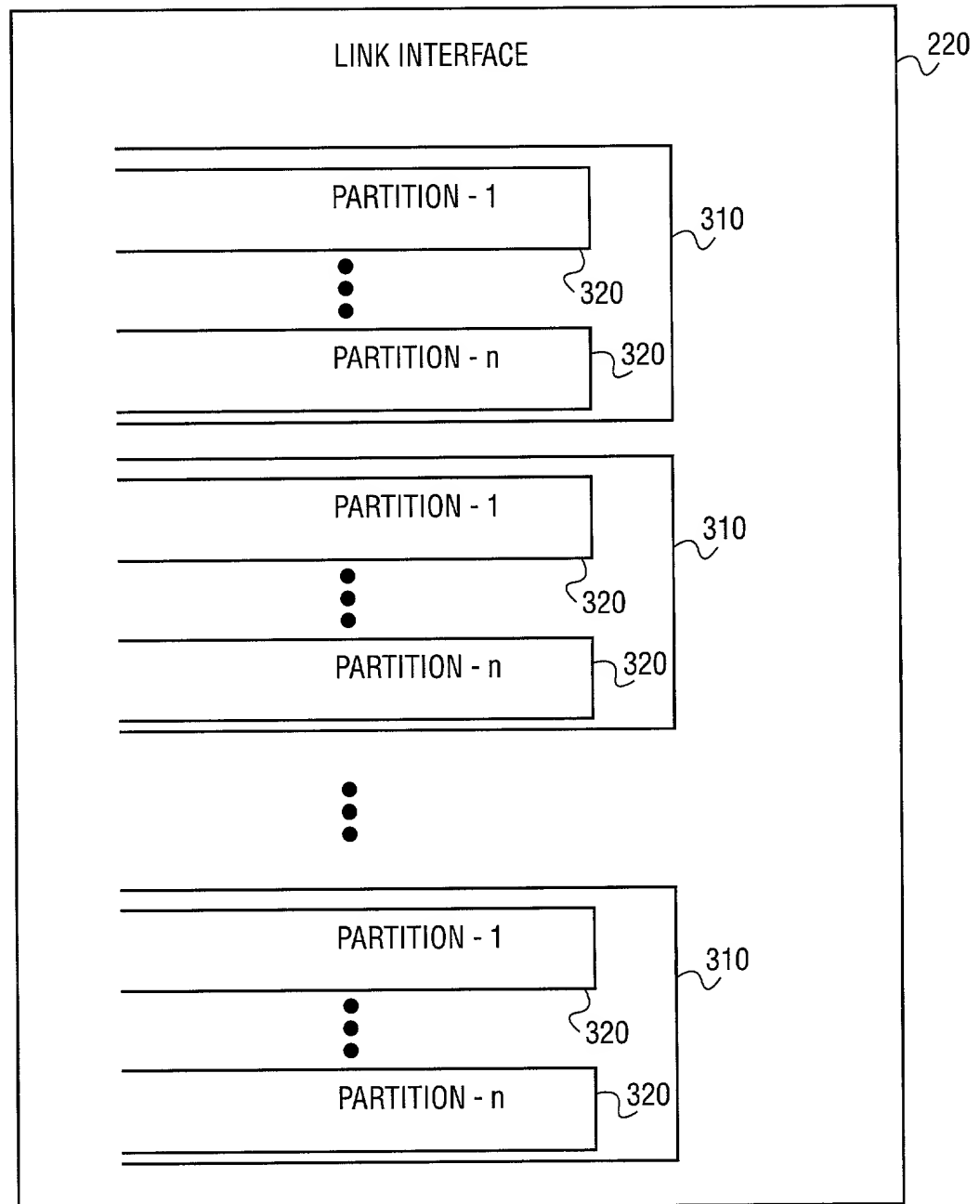


FIG. 3

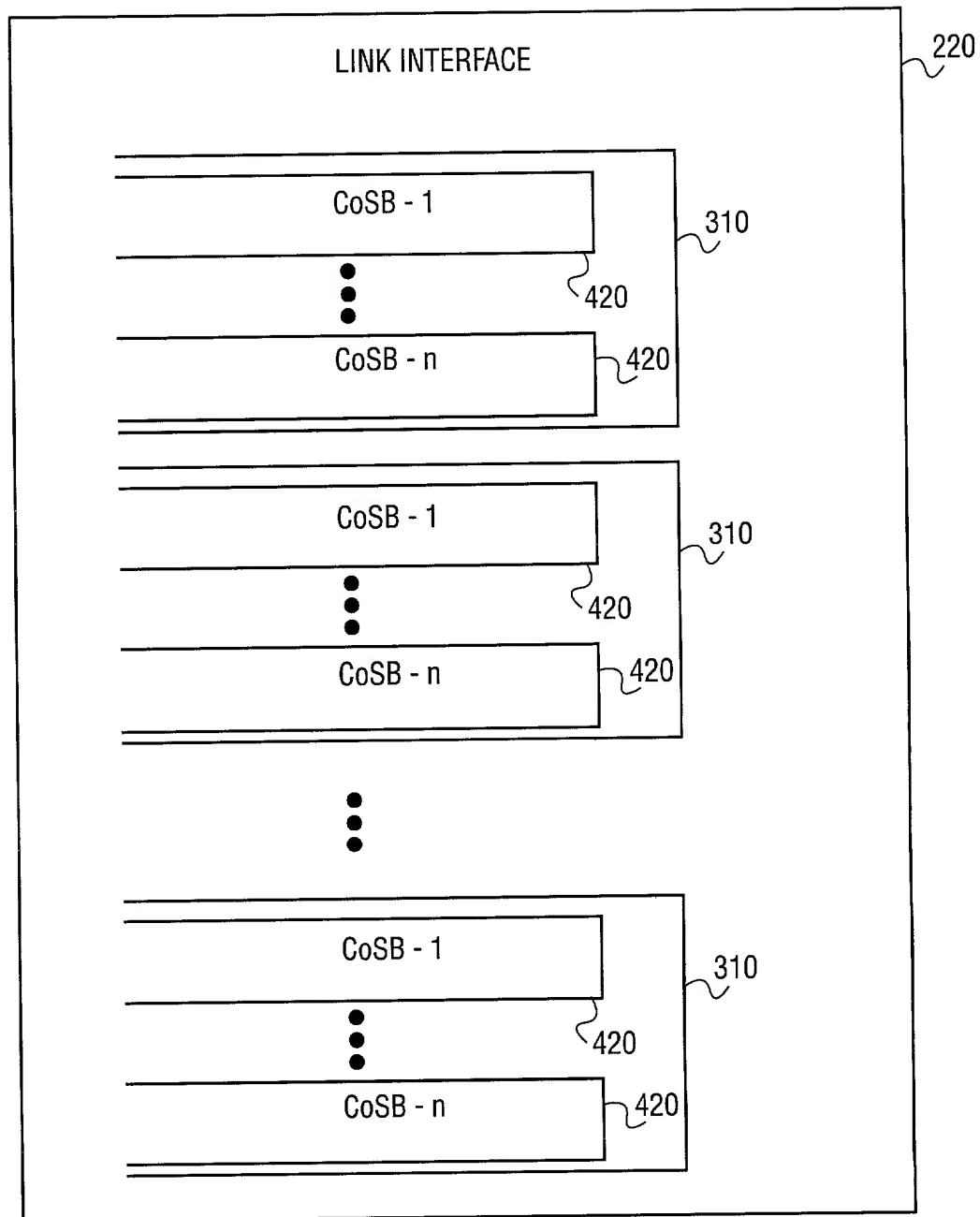


FIG. 4

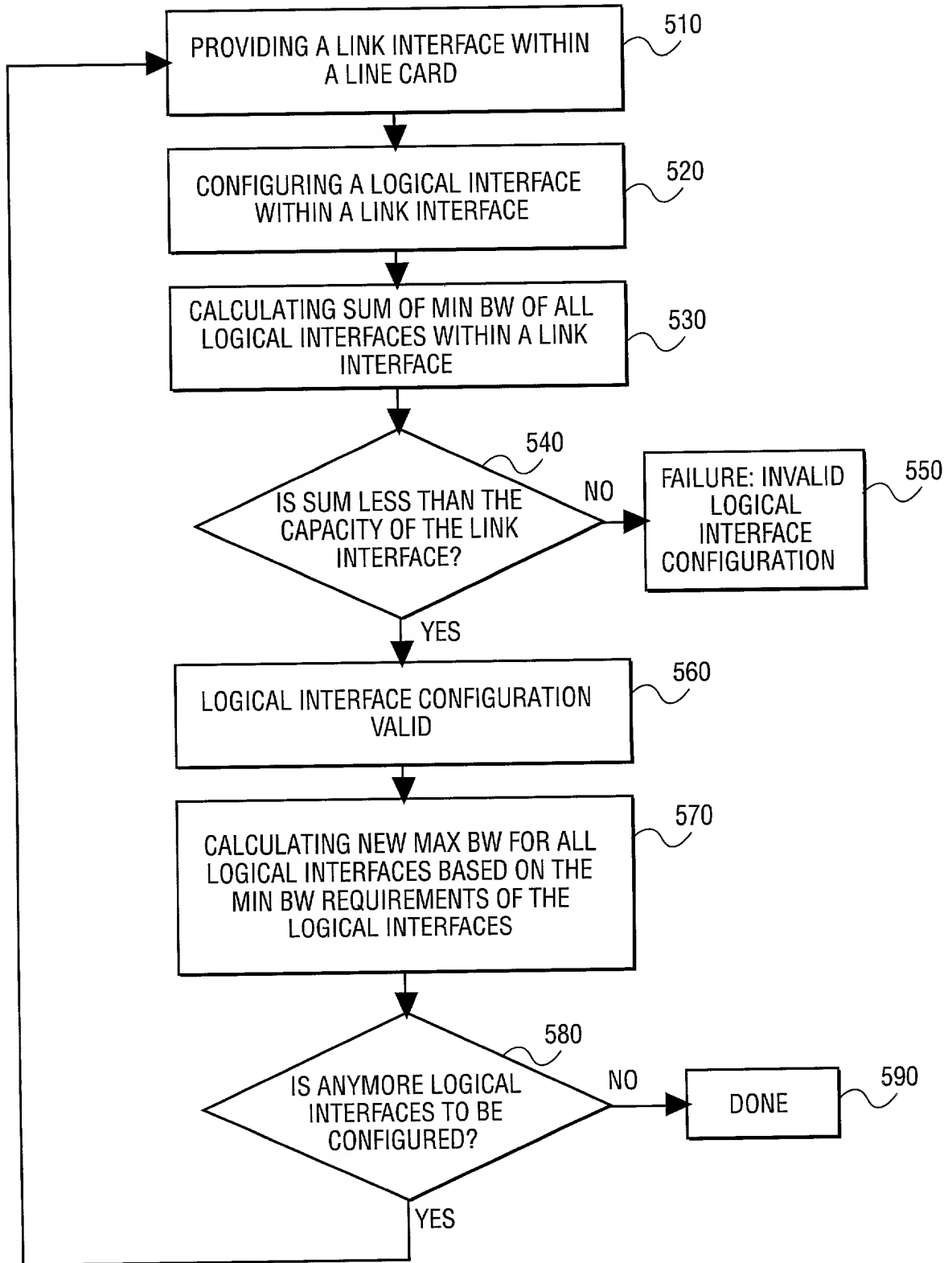


FIG. 5

FIG. 7

FIG. 8

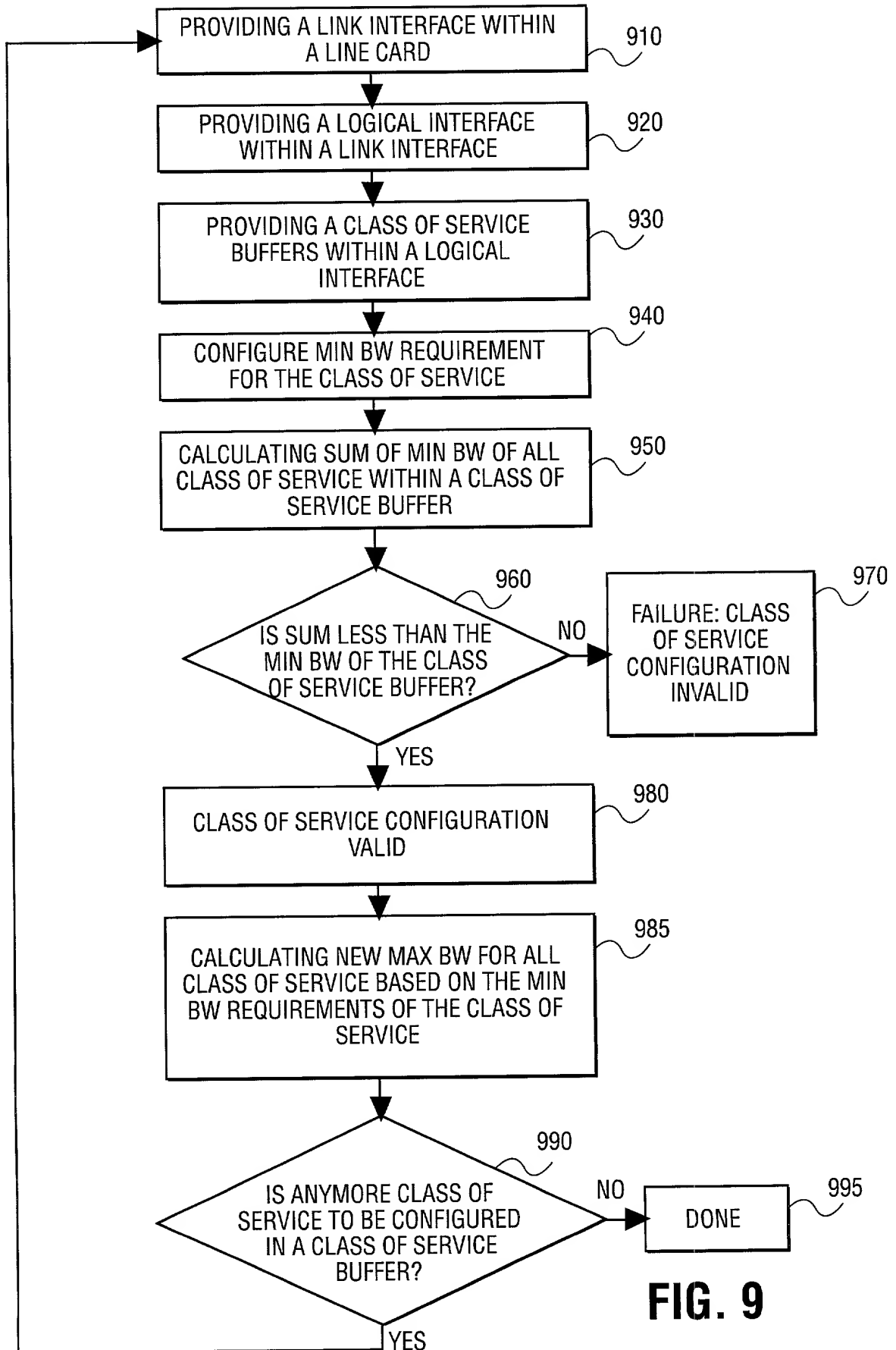


FIG. 10A

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graph TD
    A((A)) --> B{IS NEW VALUE FOR CURRENT  
USAGE OF THE LOGICAL  
INTERFACE IN WHICH THE  
CONNECTION IS ADDED IS LESS  
THAN A MAXIMUM VALUE?}
    B -- NO --> A
    B -- YES --> C[Calculate the sum of the current usage  
of all logical interfaces except the  
logical interface on which the  
connection is added with the new value  
of current usage of the logical  
interface in which the connection is  
added]
    C --> D{IS THE NEW USAGE VALUE  
LESS THAN THE LINK  
CAPACITY?}
    D -- NO --> A
    D -- YES --> E[REQUEST TO ADD/MODIFY A  
CONNECTION ACCEPTED]
    E --> F[REQUEST TO ADD/MODIFY A  
CONNECTION REJECTED]
    F --> A
    E --> G[1080]
    G --> H[1090]
    H --> I[1080]
    I --> J[1090]
    J --> K[1080]
    K --> L[1090]
    L --> M[1080]
    M --> N[1090]
    N --> O[1080]
    O --> P[1090]
    P --> Q[1080]
    Q --> R[1090]
    R --> S[1080]
    S --> T[1090]
    T --> U[1080]
    U --> V[1090]
    V --> W[1080]
    W --> X[1090]
    X --> Y[1080]
    Y --> Z[1090]
    Z --> AA[1080]
    AA --> AB[1090]
    AB --> AC[1080]
    AC --> AD[1090]
    AD --> AE[1080]
    AE --> AF[1090]
    AF --> AG[1080]
    AG --> AH[1090]
    AH --> AI[1080]
    AI --> AJ[1090]
    AJ --> AK[1080]
    AK --> AL[1090]
    AL --> AM[1080]
    AM --> AN[1090]
    AN --> AO[1080]
    AO --> AP[1090]
    AP --> AQ[1080]
    AQ --> AR[1090]
    AR --> AS[1080]
    AS --> AT[1090]
    AT --> AU[1080]
    AU --> AV[1090]
    AV --> AW[1080]
    AW --> AX[1090]
    AX --> AY[1080]
    AY --> AZ[1090]
    AZ --> BA[1080]
    BA --> BB[1090]
    BB --> BC[1080]
    BC --> BD[1090]
    BD --> BE[1080]
    BE --> BF[1090]
    BF --> BG[1080]
    BG --> BH[1090]
    BH --> BI[1080]
    BI --> BJ[1090]
    BJ --> BK[1080]
    BK --> BL[1090]
    BL --> BM[1080]
    BM --> BN[1090]
    BN --> BO[1080]
    BO --> BP[1090]
    BP --> BQ[1080]
    BQ --> BR[1090]
    BR --> BS[1080]
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    BT --> BU[1080]
    BU --> BV[1090]
    BV --> BW[1080]
    BW --> BX[1090]
    BX --> BY[1080]
    BY --> BZ[1090]
    BZ --> CA[1080]
    CA --> CB[1090]
    CB --> CC[1080]
    CC --> CD[1090]
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    CE --> CF[1090]
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    CH --> CI[1080]
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    CJ --> CK[1080]
    CK --> CL[1090]
    CL --> CM[1080]
    CM --> CN[1090]
    CN --> CO[1080]
    CO --> CP[1090]
    CP --> CQ[1080]
    CQ --> CR[1090]
    CR --> CS[1080]
    CS --> CT[1090]
    CT --> CU[1080]
    CU --> CV[1090]
    CV --> CW[1080]
    CW --> CX[1090]
    CX --> CY[1080]
    CY --> CZ[1090]
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    DB --> DC[1080]
    DC --> DD[1090]
    DD --> DE[1080]
    DE --> DF[1090]
    DF --> DG[1080]
    DG --> DH[1090]
    DH --> DI[1080]
    DI --> DJ[1090]
    DJ --> DK[1080]
    DK --> DL[1090]
    DL --> DM[1080]
    DM --> DN[1090]
    DN --> DO[1080]
    DO --> DP[1090]
    DP --> DQ[1080]
    DQ --> DR[1090]
    DR --> DS[1080]
    DS --> DT[1090]
    DT --> DU[1080]
    DU --> DV[1090]
    DV --> DW[1080]
    DW --> DX[1090]
    DX --> DY[1080]
    DY --> DZ[1090]
    DZ --> EA[1080]
    EA --> EB[1090]
    EB --> EC[1080]
    EC --> ED[1090]
    ED --> EE[1080]
    EE --> EF[1090]
    EF --> EG[1080]
    EG --> EH[1090]
    EH --> EI[1080]
    EI --> EJ[1090]
    EJ --> EK[1080]
    EK --> EL[1090]
    EL --> EM[1080]
    EM --> EN[1090]
    EN --> EO[1080]
    EO --> EP[1090]
    EP --> EQ[1080]
    EQ --> ER[1090]
    ER --> ES[1080]
    ES --> ET[1090]
    ET --> EU[1080]
    EU --> EV[1090]
    EV --> EW[1080]
    EW --> EX[1090]
    EX --> EY[1080]
    EY --> EZ[1090]
    EZ --> FA[1080]
    FA --> FB[1090]
    FB --> FC[1080]
    FC --> FD[1090]
    FD --> FE[1080]
    FE --> FF[1090]
    FF --> FG[1080]
    FG --> FH[1090]
    FH --> FI[1080]
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    FM --> FN[1090]
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    FO --> FP[1090]
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    GJ --> GK[1080]
    GK --> GL[1090]
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    GO --> GP[1090]
    GP --> GQ[1080]
    GQ --> GR[1090]
    GR --> GS[1080]
    GS --> GT[1090]
    GT --> GU[1080]
    GU --> GV[1090]
    GV --> GW[1080]
    GW --> GX[1090]
    GX --> GY[1080]
    GY --> GZ[1090]
    GZ --> HA[1080]
    HA --> HB[1090]
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    HF --> HG[1080]
    HG --> HH[1090]
    HH --> HI[1080]
    HI --> HJ[1090]
    HJ --> HK[1080]
    HK --> HL[1090]
    HL --> HM[1080]
    HM --> HN[1090]
    HN --> HO[1080]
    HO --> HP[1090]
    HP --> HQ[1080]
    HQ --> HR[1090]
    HR --> HS[1080]
    HS --> HT[1090]
    HT --> HU[1080]
    HU --> HV[1090]
    HV --> HW[1080]
    HW --> HX[1090]
    HX --> HY[1080]
    HY --> HZ[1090]
    HZ --> IA[1080]
    IA --> IB[1090]
    IB --> IC[1080]
    IC --> ID[1090]
    ID --> IE[1080]
    IE --> IF[1090]
    IF --> IG[1080]
    IG --> IH[1090]
    IH --> II[1080]
    II --> IJ[1090]
    IJ --> IK[1080]
    IK --> IL[1090]
    IL --> IM[1080]
    IM --> IN[1090]
    IN --> IO[1080]
    IO --> IP[1090]
    IP --> IQ[1080]
    IQ --> IR[1090]
    IR --> IS[1080]
    IS --> IT[1090]
    IT --> IU[1080]
    IU --> IV[1090]
    IV --> IW[1080]
    IW --> IX[1090]
    IX --> IY[1080]
    IY --> IZ[1090]
    IZ --> JA[1080]
    JA --> JB[1090]
    JB --> JC[1080]
    JC --> JD[1090]
    JD --> JE[1080]
    JE --> JF[1090]
    JF --> JG[1080]
    JG --> JH[1090]
    JH --> JI[1080]
    JI --> JJ[1090]
    JJ --> JK[1080]
    JK --> JL[1090]
    JL --> JM[1080]
    JM --> JN[1090]
    JN --> JO[1080]
    JO --> JP[1090]
    JP --> JQ[1080]
    JQ --> JR[1090]
    JR --> JS[1080]
    JS --
```

1. *Phragmites australis* (Cav.) Trin. ex Steud.